

Cargotec Finland Oy - Kalmar Collision Warning System

Straddle carrier collision warning system

the challenge

Collisions in your Straddle Carrier container yard can cost your business time, money and have a negative impact on your operations and safety levels. With Kalmar's Collision Warning System you can prevent and reduce the severity of collisions, allowing your equipment to operate more efficiently and safely with minimal downtime.

the innovation

Kalmar's Collision Warning System uses sensors fitted to a Straddle Carrier to survey the surrounding area and actively warn your operator visually and with audible alarms of any obstacles in the path of machine, its spreader or container being carried. Allowing operators to take immediate evasive action to reduce the risk of collision and damage to equipment or containers.

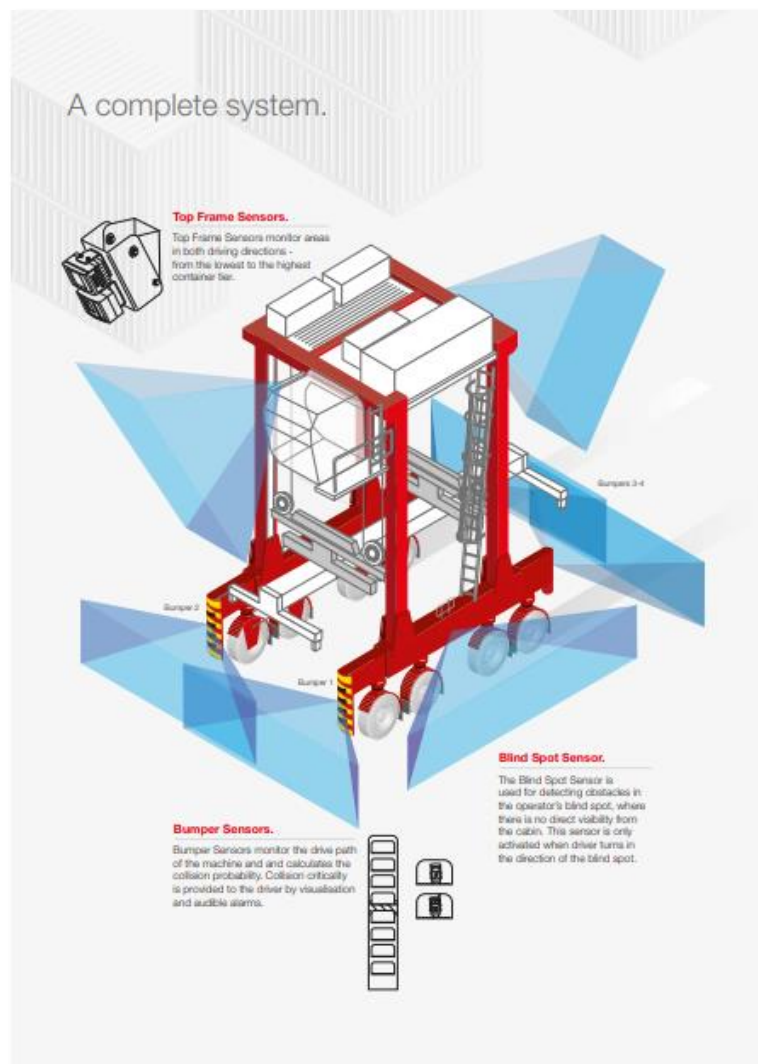


how it was implemented

The Kalmar Collision Warning system originated from customer needs and was developed in close collaboration with one of our customers, alongside a key supplier. The initial trials were conducted using a Straddle Carrier at Kalmar's Technology and Competence Center in Tampere, Finland. Following successful tests, the system was retrofitted onto three Straddle Carriers at the customer's site for real-world testing. After several months of operational testing, the system demonstrated its effectiveness in actual use conditions.

result

The Kalmar Collision Warning System has effectively prevented Straddle Carrier accidents by alerting drivers in our customer's operations.



conclusion

The Kalmar Collision Warning System not only makes operating your equipment significantly safer to operate in your yards, it also delivers on many other fronts:

Less maintenance and repairs

- Reducing the incidence of collisions in your yard means you will have to make less repairs to your straddle carriers, reducing costs and maintenance time.

Improved availability

- Reducing maintenance time on your equipment means they will be more available to work in your yard more often.

Longer lifetime of the machines

- By reducing the number of collisions your equipment has, they can be kept in a better condition for longer extending their operating lifetime.

Greater awareness and alertness

- By scanning the road ahead and providing alerts for any potential dangers, your operators will be kept more alert and attentive, making them safer drivers.

Lower insurance rates

- Having a collision warning system installed on your straddle carrier may result in insurance discounts as some insurance companies recognise the safety benefits of such systems and encourage their adoption.



LINK: <https://www.kalmarglobal.com/equipment-services/straddle-carriers/collision-warning-system/>